



PRESS RELEASE

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Clare Introduces the Most Rugged LCAS IC Family in the Industry

New 3rd Generation CPC769x Series Line Card Access Switch (LCAS) ICs Have Guaranteed 1500V/microsecond dV/dt Ratings for Central Office, Integrated Voice & Data and DSLAM Telephony Applications

Beverly, MA, April 28, 2009 – Clare, Inc., a wholly owned subsidiary of IXYS Corporation (NASDAQ:IXYS) announced the availability of the its 3rd generation LCAS IC family. The CPC769x series has the highest guaranteed dV/dt ratings (1500V/microsecond minimum) for all on-chip bidirectional switching power devices. This best-in-class dV/dt robustness rating makes the CPC769x LCAS devices the most reliable solution for Public Switched Telephone Network (PSTN) switching applications, particularly in harsh environments that are prone to lightning or surge events, as well as in Digital Subscriber Line Access Multiplexer (DSLAM) applications.

The dV/dt enhancements for the CPC769x devices are made in Clare's bonded-wafer, silicon-on-insulator, 330V BCDMOS process with trench isolation, which has been used for many years in central office telecommunication equipment requiring long operational life (20+ years). The integrated LCAS IC in SOIC packaging replaces several electromechanical 2-Form-C relays, enabling higher density line card designs.

The LCAS IC features digitally-controlled high-voltage switching devices used between a Subscriber Line Interface Chip (SLIC) and the PSTN tip/ring line. LCAS provides make/break switch functions for battery feed, ringing, line test-out, test-in, and ringing test. Each high-voltage switch has integrated current-limiting and thermal shutdown, which works in conjunction with a voltage clamp, providing superior protection for the SLIC. The LCAS IC requires only a +5V supply for operation and TTL logic-level inputs for control.

The CPC7695BA, CPC7695BB, CPC7695BC are 10-pole devices, each in a 28-pin SOIC package, providing all telephony functions listed above. The A- and C-suffix versions feature a voltage feedback protection SCR, while the B-suffix version uses clamping diodes. The C version has an additional test monitor state mode. Package option "Z" provides designers with a smaller 20-pin SOIC version for higher density boards.

The CPC7691BA and CPC7691BB are simple 4-pole devices, each in a 16-pin SOIC package, for simple tip and ring line break and ringing injection/return control. The A-suffix version features a voltage feedback protection SCR while the B-suffix version uses clamping diodes.

About Clare and IXYS Corporation

Clare, Inc., a leader in the design and manufacture of solid-state relays and high voltage integrated circuits, is a wholly owned subsidiary of IXYS Corporation. IXYS Corporation develops and markets primarily high performance power semiconductor devices that are used in controlling and converting electrical power efficiently in power systems for the telecommunication internet infrastructure, motor drives, medical systems, Solar energy, Wind energy, electrical generators and transportation. IXYS also serves its markets with a combination of digital and analog integrated circuits, RF power products and power subsystems. Additional information about Clare and IXYS may be found at www.clare.com and www.ixys.com, or by sending an email to info@clare.com.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the quarter ended December 31, 2008. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.